Performance Data Sheet

AGC5568EXG

General Information

Model	AGC5568EXG	**Refrigerant**	R-22
Test Condition	ASHRAE	**Performance Test Voltage**	460V 3~ 60HZ
Return Gas	-6.7°C (20°F) SUPERHEAT	**Motor Type**	3PH

Performance Information

Evap Temp (°F)		Condensing Temperature (°F)						
		80	90	100	110	120	130	140
-15	Btu/h	27000	23200					
	Watts	3710	3530					
	Amps	5.52	5.32					
	Lb/h	352	312					
-10	Btu/h	28100	24400	21000				
	Watts	3780	3650	3520				
	Amps	5.81	5.66	5.51				
	Lb/h	364	326	291				
-5	Btu/h	30100	26300	22900	19800			
	Watts	3860	3790	3710	3620			
	Amps	6.08	5.98	5.88	5.78			
	Lb/h	386	350	316	285			
0	Btu/h	32800	29100	25600	22400	19500		
	Watts	3960	3940	3910	3870	3820		
	Amps	6.34	6.30	6.25	6.20	6.14		
	Lb/h	418	383	351	320	291		
5	Btu/h	36400	32600	29000	25700	22600		
	Watts	4070	4100	4120	4130	4120		
	Amps	6.58	6.61	6.62	6.61	6.60		
	Lb/h	460	427	395	365	336		
10	Btu/h	40800	36900	33200	29700	26400	23400	20600
	Watts	4200	4280	4340	4390	4440	4470	4500
	Amps	6.82	6.91	6.97	7.02	7.06	7.09	7.13
	Lb/h	511	480	449	419	390	362	334
15	Btu/h	46000	42000	38200	34500	31000	27600	24500
	Watts	4340	4460	4570	4670	4760	4830	4900
	Amps	7.04	7.20	7.32	7.42	7.51	7.59	7.67
	Lb/h	572	542	512	483	453	424	395
20	Btu/h	52000	47900	43900	40000	36200	32500	29000
	Watts	4490	4660	4810	4950	5080	5200	5310
	Amps	7.25	7.48	7.67	7.83	7.96	8.09	8.21
	Lb/h	642	614	585	555	525	495	465

25	Btu/h	58800	54600	50300	46200	42100	38100	34200
	Watts	4650	4870	5060	5250	5420	5570	5720
	Amps	7.45	7.74	8.00	8.22	8.42	8.59	8.75
	Lb/h	722	694	666	637	607	576	544
30	Btu/h	66500	62000	57500	53100	48700	44300	40000
	Watts	4820	5080	5320	5550	5750	5950	6130
	Amps	7.63	8.00	8.33	8.61	8.86	9.09	9.30
	Lb/h	810	784	756	727	696	664	631
35	Btu/h	74900	70200	65500	60700	55900	51200	46400
	Watts	5010	5310	5590	5850	6100	6330	6540
	Amps	7.79	8.25	8.65	9.00	9.31	9.59	9.85
	Lb/h	907	882	855	826	795	762	726
40	Btu/h	84200	79200	74200	69100	63900	58700	53400
	Watts	5210	5550	5870	6170	6450	6710	6960
	Amps	7.94	8.48	8.95	9.38	9.75	10.1	10.4
	Lb/h	1010	990	963	934	902	867	830
45	Btu/h	94200	89000	83600	78100	72500	66800	61100
	Watts	5420	5800	6160	6490	6800	7100	7380
	Amps	8.08	8.70	9.25	9.75	10.2	10.6	11.0
	Lb/h	1130	1110	1080	1050	1020	981	942
50	Btu/h		99500	93800	87900	81800	75700	69300
	Watts	5650	6060	6450	6820	7160	7490	7800
	Amps	8.20	8.91	9.54	10.1	10.6	11.1	11.5
	Lb/h	1250	1230	1200	1170	1140	1100	1060
55	Btu/h				98400	91800	85100	78200
	Watts	5880	6330	6750	7150	7530	7880	8220
	Amps	8.30	9.10	9.82	10.5	11.1	11.6	12.1
	Lb/h	1380	1360	1340	1310	1270	1230	1190

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	6.970257E+04	3.428934E+03	5.143732E+00	7.597886E+02
C2	3.429751E+02	-7.126461E+01	-8.549490E-02	5.643222E-01
C3	-5.144058E+02	1.712443E+01	4.078025E-02	-4.962248E+00
C4	2.141445E+01	5.265637E-01	-7.186346E-04	2.070175E-01
C5	7.213508E+00	1.260404E+00	2.162684E-03	1.322635E-01
C6	4.036093E-01	-1.609568E-01	-4.290640E-04	8.117213E-03
C7	-2.557603E-03	-3.147477E-04	-5.659395E-07	-2.185138E-04
C8	-6.257831E-02	-3.192580E-03	5.950741E-06	-1.333385E-04
C9	-4.512808E-02	-1.351227E-03	-5.740515E-06	-5.878276E-04
C10	3.286428E-03	3.769354E-04	1.321643E-06	5.863681E-06

Value = C1 + C2 * Te + C4 * Te^2 + C7 * Te^3 + (C3 + C5 * Te + C8 * Te^2) * Tc + (C6 + C9 * Te) * Tc^2 + C10 * Tc^3

Te = Evaporator Temperature

Tc = Condensing Temperature